PATENT COOPERATION TREATY

rom the	e NATIONAL SEARCHIN	G AUTHOR	ITY	,	MSI			
To:					PCT PCT			
					RITTEN OPINION OF THE IONAL SEARCHING AUTHORITY			
	·				(PCT Rule 43bis.1)			
	-			Date of mailing (day/month/year)	See form PCT/ISA/210			
Applica	nt's or agent's file referen	ce		FOR FURTHER	ACTION			
Rsw	k-02034		•		See paragraph 2 below			
Internat	ional application No.		International filing date	(day/month/year)	Priority date (day/month/year)			
PCT	/EP2005/050	134	13.01.2005	•	11.02.2004			
Internat	ional Patent Classification	n (IPC) or both	national classification ar	nd IPC				
A61	K7/42, A61K	7/48		•	-			
Applica	unt							
	ERSDORF AG				·			
				3 -				
1.	This opinion contains i	ndications rela	ting to the following item	is:				
	Box No. I	Basis of the	opinion					
	Box No. II	Priority						
	Box No. III	Non-establi	shment of opinion with re	gard to novelty, invent	tive step and industrial applicability			
	Box No. IV		ty of invention					
	Box No. V			bis.1(a)(i) with regard to novelty, inventive step or industrial tions supporting such statement				
	Box No. VI	Certain doc	uments cited					
Box No. VII Certain defects in the international a				pplication				
	Box No. VIII	Certain obs	ervations on the internation	onal application	·			
2.	FURTHER ACTION							
	International Prelimina than this one to be the	ry Examining IPEA and the	Authority ("IPEA") exce	pt that this does not ap d the International Bu	ill be considered to be a written opinion of the ply where the applicant chooses an Authority other reau under Rule 66.1bis(b) that written opinions of			
	written reply together,	where appro	, considered to be a writt priate, with amendments n of 22 months from the p	, before the expiration	A, the applicant is invited to submit to the IPEA and of 3 months from the date of mailing of Form expires later.			
	For further options, see	Form PCT/IS	A/220.					
3.	For further details, see	notes to Form	PCT/ISA/220.					
Name s	and mailing address of the	ISA/EP		Authorized officer				
		· · · · · · · ·						

Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under
	-	Rule 12.3 and 23.1(b)).
2 .		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed tion, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	۸ ۵۵	tional comments:
4.	Aud	double confinences.

Box No. II Priority
1. The following document has not yet been furnished: copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)). translation of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(b)). Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date in the claimed priority date.
2. This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.
3. Additional observations, if necessary: The validity of the priority claim has not been considered because the International Searching Authority does not have in its possession a copy of the earlier application whose priority has been claimed or, where required, a translation of that earlier application. This opinion has nevertheless been established on the assumption that the relevant date (Rules 43bis1 and 64.1) is the claimed priority date.

Box	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1.	Statement					
	Novelty (N)	Claims 9	YES			
		Claims 1-8, 10	NO			
		Claims 1 07 10	1.0			
	Inventive step (IS)	Claims	YES			
		Claims 1-10	NO			
İ	Industrial applicability (IA)	Claims 1-10	YES			
	, (,	Claims 1-10	NO			
	,	Cianis				
2.	Citations and explanations:					
	1) This opinion	mentions the following search report citations				
	(documents D	1-D15). The same numbering will be used throughout				
	the procedure	e:				
-	D1 = FR-A-2	801 211 D9 = WO-A-98/00098				
	D2 = EP-A-1	277 460 D10 = US-A-5,705,148				
	D3 = WO - A - 02	2/096371 D11 = US-A-5,547,658				
	D4 = FR-A-2	819 408 D12 = US-A-2003/228268				
	D5 = FR-A-2	799 122 D13 = WO-A-03/101414				
	D6 = US-A-5	D14 = WO-A-03/070199				
	D7 = US-A-5	,741,480 D15 = US-A-2003/129152				
	D8 = EP-A-0	424 282				
	•	·				
	2) Independent	claims 8 and 9 do not meet the requirements of PCT				
	Article 6 be	cause the subject matter for which protection is				
	sought is no	t clearly defined. The description on page 4,				
	paragraphs 3	and 4 reveals that the preparations comprise more				
	than 5% by w	eight of glycerol. It is also stated that the				
	preparations	according to the present invention are				
	characterize	d in that the skin shade achieved with them is				
	more natural	than that with comparable products with a lower				
	glycerol con	tent. This feature "more than 5% by weight of				
	glycerol" is	therefore essential for the definition of the	•			
	invention. H	owever, claims 8 and 9 do not contain this				
	feature, and	their scope therefore extends beyond the scope				
	justified by	the description.				
		•				
	Since the pr	esent independent claims 8 and 9 do not contain	_			

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this feature, they do not meet the requirement of PCT Article 6 in conjunction with PCT Rule 6.3(b) that each independent claim must contain all of the technical features which are essential for the definition of the invention.

- 3) However, in preparing the present opinion with regard to novelty and inventive step, the wording of claims 8 and 9 as filed was taken into consideration.
- 4) The present application does not meet the requirements of PCT Article 33(1) because the subject matter of independent claims 1 and 8 is not novel within the meaning of PCT Article 33(2).

The example on page 9 of document D1 discloses a self-tanning preparation comprising 5% by weight of dihydroxyacetone (DHA) and 15% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.33. Examples 1.7, 2.1, 2.3, 2.5, 3.1, 3.3, 3.4, 4.1, 4.3, 4.4, 5.2 and 5.3 of document D2 disclose self-tanning preparations comprising DHA and glycerol in a weight ratio between 0.05 and 0.9. In addition, examples 2.2, 2.3, 2.5, 3.1, 3.3, 4.1, 4.3, 5.2 and 5.3 disclose self-tanning preparations comprising DHA and more than 5% by weight of glycerol.

Example 2 of document D3 discloses a self-tanning preparation comprising 4% by weight of DHA and 8% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.5.

Example 1 of document D4 discloses a self-tanning preparation in the form of an O/W emulsion comprising 5% by weight of DHA and 10% by weight of glycerol. This preparation comprises DHA and glycerol in a ratio weight of 0.5.

Example 1 of document D5 discloses a self-tanning preparation comprising 5% by weight of DHA and 10% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.5.

Example 2 of document D6 discloses a self-tanning preparation comprising 10% by weight of DHA and 11% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio

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of 0.91.

Composition 6 (example 3) in document D7 discloses a self-tanning preparation comprising 5% by weight of DHA and 30% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.16. Example 4 of document D8 discloses a self-tanning preparation comprising 4% by weight of DHA and 16.6% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.24. Examples 2 and 10 of document D9 disclose self-tanning preparations comprising DHA and glycerol in a weight ratio between 0.05 and 0.9 (or 0.4 and 0.25). In addition, examples 2, 7, 10 and 12 disclose self-tanning preparations comprising DHA and more than 5% by weight of glycerol.

Example 2 of document D10 discloses a self-tanning preparation in the form of an O/W emulsion comprising 3% by weight of DHA and 20% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.15.

Example 2 of document D11 discloses a self-tanning preparation comprising 3% by weight of DHA and 10% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.3.

The example in table I of document D12 discloses a self-tanning preparation comprising 4% by weight of DHA and 5% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.8.

Examples 4 and 11 of document D13 disclose self-tanning preparations in the form of an O/W cream comprising DHA and glycerol in a weight ratio between 0.05 and 0.9 (or 0.13 and 0.16). In addition, example 4 discloses a self-tanning preparation comprising DHA and more than 5% by weight of glycerol. Example 8 of document D14 discloses a self-tanning preparation in the form of an O/W microemulsion comprising DHA and glycerol in a weight ratio between 0.05 and 0.9 (or 0.1). In addition, example 11 discloses a self-tanning preparation in the form of an O/W microemulsion comprising DHA and more than 5% by weight of glycerol.

Example 1 of document D15 discloses a self-tanning preparation comprising 5% by weight of DHA and 10% by weight of glycerol.

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This preparation comprises DHA and glycerol in a weight ratio of 0.5.

5) The present application does not meet the requirements of PCT Article 33(1) because the subject matter of independent claim 10 is not novel within the meaning of PCT Article 33(2).

Documents D1, D9, D12 and D15 all describe the use of self-tanning preparations which comprise dihydroxyacetone and more than 5% by weight of glycerol for achieving a natural skin shade (see D1: page 1, lines 42 to 47; page 5, lines 34 to 37; see D9: page 1, lines 9 to 11; page 2, lines 4 to 7; see D12: page 1, paragraph [0005]; see D15: page 1, paragraphs [0005] and [0018]).

- None of the documents cited in the international search report discloses the use of glycerol in self-tanning preparations which comprise DHA for achieving naturalness of the skin shade as is described in the present independent claim 9.

 It follows from this that the subject matter of the present claim 9 meets the requirements of PCT Article 33(2) with regard to the prior art which has been disclosed.
- 7) Dependent claims 2-7 do not contain any features which, in combination with the features of any claim to which they refer, meet the PCT requirements for novelty.
- 8) The subject matter of independent claims 8 and 9 does not meet the PCT requirements for inventive step (PCT Article 33(3)).

As already mentioned under point 2), the feature "more than 5% by weight of glycerol" is essential for the definition of the invention. However, claims 8 and 9 do not contain this feature, and therefore their scope extends beyond the scope justified by the description. For this reason, it is doubtful that the problem addressed was solved over the entire range of claims 8 or 9. The subject matter of the present claims 8 and 9 cannot therefore be considered inventive.

9) Claims 1 to 10 meet the criterion specified in PCT Article 33(4) because the present invention is industrially applicable.	
33(4) because the present invention is industrially	
applicable.	

Box	No. V	'I Certa	in docur	nents cited					
ì.	Cert	ain published de	ocuments	(Rule 43bis.1 ar	nd 70.10)				·
		Application No. Patent No.			Publication date (day/month/year)		ig date onth/year)	Priority date (valid claim) (day/month/year)	
		EP-A-1	481	663.	01	1.12.2004	27.05	5.2003	
		EP-A-1	477	159	17	7.11.2004	10.04	1.2004	12.05.2003
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2.	Non	-written disclos	ares (Ku	le 43 <i>bis</i> .1 and 70	.9)			Dat	e of written disclosure
		Kind of	non-writ	tten disclosure		Date of non-written (day/month/y		referrin	g to non-written disclosure (day/month/year)
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S€	ee :	form 21	O						•
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Box No. VII Certain defects in the international application The following defects in the form or contents of the international application have been noted: Contrary to PCT Rule 5.1(a)(ii), the description does not cite 1) documents D1 to D15 or indicate the relevant prior art disclosed therein.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Box VI

Pursuant to PCT Rule 64.3, these documents do not form part of the prior art, but may become prior art pursuant to EPC Article 54(3) in the regional phase before the EPO.

Examples I to V of document EP-A-1 481 663 (D16) disclose self-tanning preparations comprising DHA and more than 5% by weight of glycerol. These preparations comprise DHA and glycerol in a weight ratio between 0.05 and 0.9.

Examples 1, 2, 4, 10-12, 14, 17, 20, 22, 25, 27, 30, 31 and 33 of document EP-A-1 477 159 (D17) disclose self-tanning preparations comprising DHA and glycerol in a weight ratio between 0.05 and 0.9. In addition, examples 1, 4, 10, 11, 20 and 30 disclose self-tanning preparations comprising DHA and more than 5% by weight of glycerol.

Consequently, documents D16 and D17 both deprive the present claims 1 to 8 and 10 of novelty.